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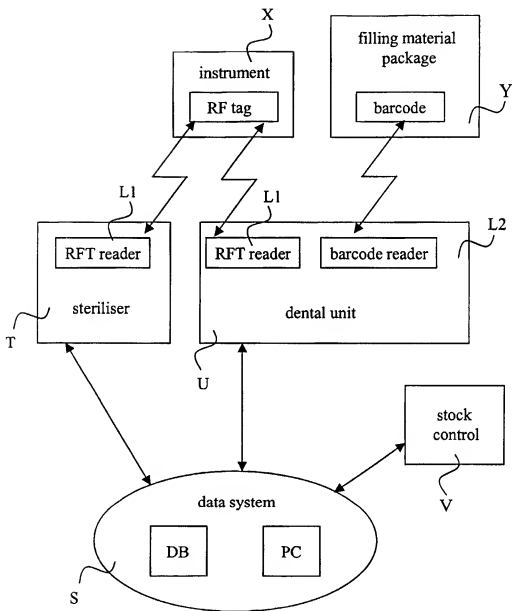


Figure 1

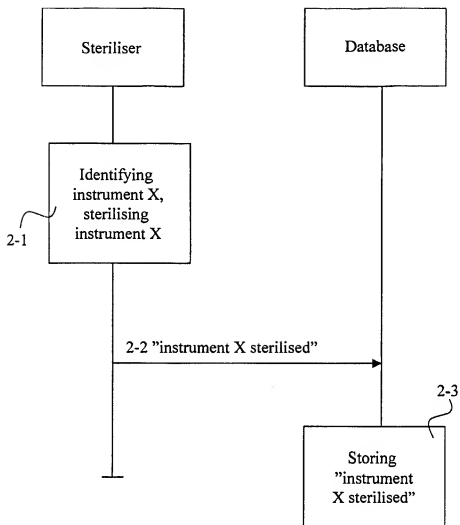


Figure 2

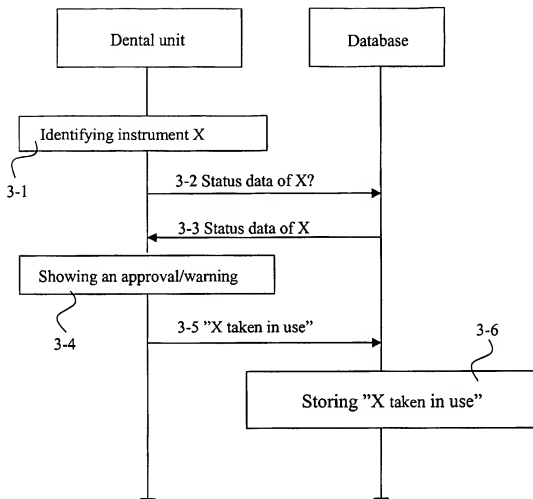
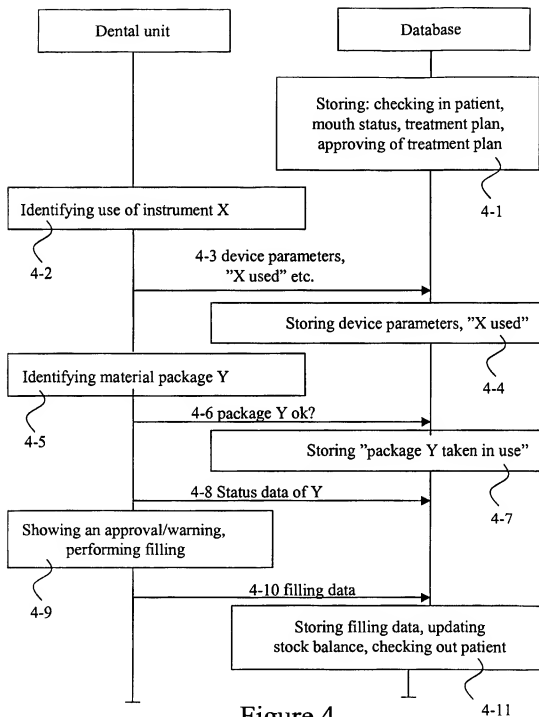


Figure 3



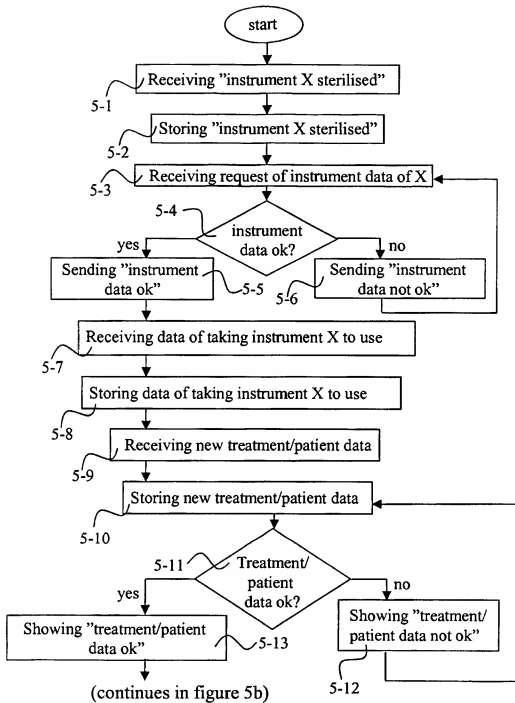


Figure 5a

(continues from figure 5a)

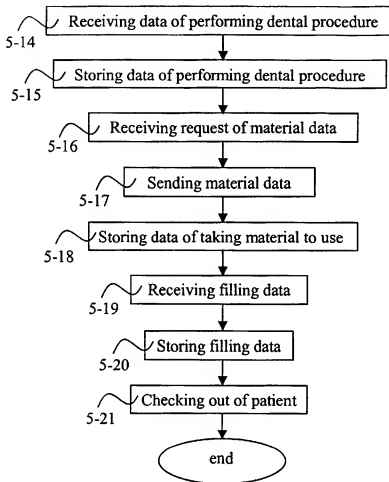


Figure 5b

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Hygienist	Dentist	Steriliser	Data system	Dental unit	Stock control
O r d e r	Instrument X to steriliser				
	Identification of instrument X				
	Sterilisation operation				
	Message to data system "X sterilised"				
	Entering data "X sterilised at the point of time T0" in database				
r	Instrument X to storage				
	Instrument X to dental unit				
o f	Identification of instrument X				
	Reading history of instrument X				
	Possible warning of being unsterilised				
p r	Message to data system "Instrument X taken in use"				
	Entering "Instrument X taken in use at the point of time T1" in database				
o c	Checking in of patient P				
	Entering data "Treatment of patient P started at the point of time T2" in database				
e d	Surveys and registers mouth status				
	Entering updated mouth status in database				
u r	Draws up and registers treatment plan				
	Entering treatment plan in database				
e s	Informs patient and receives approval of plan				
	Entering data of informing patient and treatment plan in database				
Removes caries					
Identifies use of instrument X					
Message to data system "Patient P was treated by instrument X"					
Entering data "Patient P was treated by instrument X" in data system					

Figure 6a

Hygienist	Dentist	Steriliser	Data system	Dental unit	Stock control
O		Feitching material package Y		Identifying package Y	
r				Message to data system "Package Y taken to use"	
d				Reading data of package Y from data system	
e				Possible warning of out-of-date material	
r				Possible automatic setting of instrument parameters	
o					
f		Uses light-curing instrument		Message to data system "Package Y used"	
p			Entering "Tooth H of patient P filled with material from package Y" in database		
r			Message to stock control "Material Y used"		
o				Updating stock balance	
c				Possible automatic order	
e					
d		Enters treatment performed and signs entries digitally			
u			Entering data of treatment event and its signature in database		
r					
e		Checking out of patient P			
s			Entering data "Treatment of patient P ended at the point of time T3" in database		

Figure 6b